

(FILE 'HOME' ENTERED AT 17:18:13 ON 16 DEC 2000)

FILE 'CAPLUS' ENTERED AT 17:18:21 ON 16 DEC 2000

L1 102 SEA DIAMINOPYRAZOLE? OR TRIAMINOPYRAZOLE? OR DIAMINOPYRAZOL
OR
 TRIAMINOPYRAZOL
L2 37 SEA (DIAMINO OR TRIAMINO) (4W) PYRAZOLE?
L3 61896 SEA HAIR? OR KERATIN?
L4 47 SEA (L1 OR L2) AND L3
L5 619710 SEA HALOGEN OR HALO OR CHLORINE OR CHLORO OR FLUORINE OR
 FLUORO OR BROMINE OR BROMO OR IODINE OR IODO
L6 32 SEA L4 AND L5
L7 24256 SEA HALOGENATED
L8 2 SEA L4 AND L7
L9 34 SEA L6 OR L8
 D IBIB ABS HIT 1-34

L9 ANSWER 12 OF 34 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1999:458930 CAPLUS
 DOCUMENT NUMBER: 131:78156
 TITLE: Oxidative **hair** dye composition comprising a
 5-substituted 3,4-**diaminopyrazole** and a
halogenated m-aminophenol
 INVENTOR(S): Maubru, Mireille
 PATENT ASSIGNEE(S): L'Oreal S. A., Fr.
 SOURCE: Fr. Demande, 29 pp.
 CODEN: FRXXBL
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2770775	A1	19990514	FR 1997-14051	19971107
FR 2770775	B1	19991224		
EP 919221	A1	19990602	EP 1998-402588	19981019
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 11209251	A2	19990803	JP 1998-314995	19981105
JP 3024107	B2	20000321		
US 6090162	A	20000718	US 1998-186882	19981106
			FR 1997-14051	19971107

PRIORITY APPLN. INFO.:
 OTHER SOURCE(S): MARPAT 131:78156

AB The title compn. is disclosed. A **hair** dye compn. contained 3,4-**diamino-5-Me pyrazole** dihydrochloride 0.555, 3-aminophenol 0.327 and excipients and water q.s. 100 g. At the time of use the compn. is mixed with equal amts. of 20 vol. hydrogen peroxide and applied for 30 min on the **hair**, then rinsed, washed with shampoo and dried to obtain the desired color.

TI Oxidative **hair** dye composition comprising a 5-substituted 3,4-**diaminopyrazole** and a **halogenated** m-aminophenol

AB The title compn. is disclosed. A **hair** dye compn. contained 3,4-**diamino-5-Me pyrazole** dihydrochloride 0.555, 3-aminophenol 0.327 and excipients and water q.s. 100 g. At the time of use the compn. is mixed with equal amts. of 20 vol. hydrogen peroxide and applied for 30 min on the **hair**, then rinsed, washed with shampoo and dried to obtain the desired color.

ST oxidative **hair** dye **diaminopyrazole** **halogenated** aminophenol

IT Alcohols, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (C1-4; oxidative **hair** dye compn. comprising substituted **diaminopyrazole** and **halogenated** aminophenol)

IT Alcohols, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (aralkyl; oxidative **hair** dye compn. comprising substituted **diaminopyrazole** and **halogenated** aminophenol)

IT Cosmetics
 (creams; oxidative **hair** dye compn. comprising substituted **diaminopyrazole** and **halogenated** aminophenol)

IT **Hair** preparations
 (dyes, oxidative; oxidative **hair** dye compn. comprising

substituted **diaminopyrazole** and **halogenated aminophenol**)

IT Cosmetics
 (gels; oxidative hair dye compn. comprising substituted **diaminopyrazole** and **halogenated aminophenol**)

IT Ethers, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (glycol; oxidative hair dye compn. comprising substituted **diaminopyrazole** and **halogenated aminophenol**)

IT Cosmetics
 (liqs.; oxidative hair dye compn. comprising substituted **diaminopyrazole** and **halogenated aminophenol**)

IT Salts, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (of peroxy acids; oxidative hair dye compn. comprising substituted **diaminopyrazole** and **halogenated aminophenol**)

IT Solvents
 (org.; oxidative hair dye compn. comprising substituted **diaminopyrazole** and **halogenated aminophenol**)

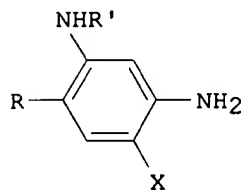
IT Oxidizing agents
 (oxidative hair dye compn. comprising substituted **diaminopyrazole** and **halogenated aminophenol**)

IT Glycols, biological studies
 Peroxy acids
 Peroxysulfates
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (oxidative hair dye compn. comprising substituted **diaminopyrazole** and **halogenated aminophenol**)

IT 56-81-5, 1,2,3-Propanetriol, biological studies 124-43-6 563-69-9, Carbonoperoxoic acid 6358-06-1, 3-Amino 6-chlorophenol 7722-84-1, Hydrogen peroxide, biological studies 7789-31-3D, Bromic acid, alkali metal salts 55120-56-4 76368-87-1 84540-50-1 122128-83-0
 199340-92-6 199340-98-2 199340-99-3 199341-00-9 199341-01-0
 199341-02-1 199341-03-2 199341-04-3 199341-05-4 199341-06-5
 199341-07-6 199341-08-7 199341-09-8 199341-10-1 199341-11-2
 199341-12-3 199341-13-4 199341-14-5 199341-15-6 199341-16-7
 199341-17-8 199341-18-9 199341-19-0 199341-21-4 199341-22-5
 199341-23-6 199341-24-7 199341-25-8 199341-26-9 199341-27-0
 199341-28-1 199341-29-2 199341-30-5 199341-31-6 199341-32-7
 199341-33-8 199341-34-9 199341-37-2 199341-39-4 199341-41-8
 199341-43-0 199341-44-1 199341-46-3 199341-49-6 199341-51-0
 199341-52-1 199341-53-2 199341-54-3 199341-55-4 199341-56-5
 199341-57-6 199341-58-7 199341-59-8 199341-60-1 199341-61-2
 199341-62-3 199341-63-4 199341-64-5 199341-65-6 199341-66-7
 199341-67-8 199341-68-9 199341-69-0 199341-70-3 199341-71-4
 199341-72-5 199341-73-6 199341-74-7 199341-75-8 199341-76-9
 199341-77-0 199341-78-1 199341-79-2 199341-80-5 199341-81-6
 199341-82-7 199341-83-8 199341-84-9 199341-85-0 199341-86-1
 199341-87-2 199341-88-3 199341-89-4 199341-90-7 199341-91-8
 199341-92-9 199341-93-0 199341-94-1 199341-95-2 199341-96-3
 199341-97-4 199341-98-5 199341-99-6 199342-00-2 199342-01-3
 199342-02-4 199342-03-5 199342-04-6 199342-05-7 199342-06-8
 199342-07-9 199342-08-0 199342-09-1 199342-10-4 221129-68-6
 221129-69-7 229028-77-7 229028-78-8 229028-79-9 229028-80-2
 229028-81-3 229028-82-4 229028-83-5
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (oxidative hair dye compn. comprising substituted **diaminopyrazole** and **halogenated aminophenol**)

L9 ANSWER 32 OF 34 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1996:115196 CAPLUS
 DOCUMENT NUMBER: 124:178878
 TITLE: **Hair** dyeing compositions and
 2-(alkylamino)-4-amino-1-alkylbenzenes
 INVENTOR(S): Balzer, Wolfgang; Frank, Anke; Weinges, Alexa
 PATENT ASSIGNEE(S): Wella A.-G., Germany
 SOURCE: Eur. Pat. Appl., 17 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 687669	A1	19951220	EP 1995-101867	19950211
R: DE, ES, FR, GB, IT				
DE 4421397	A1	19951221	DE 1994-4421397	19940618
US 5645610	A	19970708	US 1995-450476	19950526
BR 9502796	A	19960312	BR 1995-2796	19950614
JP 08003121	A2	19960109	JP 1995-174087	19950616
PRIORITY APPLN. INFO.:			DE 1994-4421397	19940618
OTHER SOURCE(S):		MARPAT 124:178878		
GI				



- AB Oxidative **hair** dyeing compns. contain as couplers 0.01-5% I (R = C1-4-alkyl, R' = C1-4-alkyl, C2-4-hydroxyalkyl; X = Cl, C1-4-alkoxy) or their physiol. compatible water-sol. salts, in addn. to developers and optionally other couplers and other coloring agents. The compns. have good storage stability and provide good color purity in many shades. Thus, 4-amino-2-(2-hydroxyethylamino)-5-methoxytoluene (II) 0.08, 2-(2-hydroxyethyl)-1,4-diaminobenzene sulfate 1.00, resorcinol 0.35, m-aminophenol 0.05, Na2SO3 0.40, oleic acid 15.00, iso-PrOH 7.00, 22% aq. ammonia 10.00, and water 62.12 g were combined to give a **hair** -dyeing compn. which was mixed in gel form with H2O2 and applied to blond **hair** to provide a natural brown shade. II was prepd. starting with 5-fluoro-2-methylaniline, using the steps of nitration, condensation with 2-chloroethyl chloroformate, hydrolysis, and redn.
- TI **Hair** dyeing compositions and 2-(alkylamino)-4-amino-1-alkylbenzenes
- AB Oxidative **hair** dyeing compns. contain as couplers 0.01-5% I (R = C1-4-alkyl, R' = C1-4-alkyl, C2-4-hydroxyalkyl; X = Cl, C1-4-alkoxy) or their physiol. compatible water-sol. salts, in addn. to developers and optionally other couplers and other coloring agents. The compns. have

good storage stability and provide good color purity in many shades. Thus, 4-amino-2-(2-hydroxyethylamino)-5-methoxytoluene (II) 0.08, 2-(2-hydroxyethylamino)-1,4-diaminobenzene sulfate 1.0, resorcinol 0.35, m-aminophenol 0.05, Na2SO3 0.40, oleic acid 15.00, iso-PrOH 7.00, 22% aq. ammonia 10.00, and water 62.12 g were combined to give a **hair**-dyeing compn. which was mixed in gel form with H2O2 and applied to blond **hair** to provide a natural brown shade. II was prepd. starting with 5-**fluoro**-2-methylaniline, using the steps of nitration, condensation with 2-chloroethyl chloroformate, hydrolysis, and redn.

ST **hair** dye coupler aminoaniline prepn

IT **Hair** preparations

(dyes, oxidative, prepn. and use of **hair**-dyeing couplers)

IT 96-91-3, 2-Amino-4,6-dinitrophenol 128-95-0, 1,4-Diaminoanthraquinone 632-99-5, C.I.Basic Violet 14 2475-45-8,

1,4,5,8-Tetraaminoanthraquinone

2835-98-5, 2-Amino-5-methylphenol 3248-91-7, C.I.Basic Violet 2

5858-51-5, C.I. Acid Brown 4 17672-22-9, 6-Amino-2-methylphenol

24905-87-1, 2-Amino-5-(2-hydroxyethylamino)nitrobenzene 27080-42-8,

1-(2-Ureidoethylamino)-4-nitrobenzene 100418-33-5, 4-(2-

Hydroxyethylamino)-3-nitrotoluene

RL: TEM (Technical or engineered material use); USES (Uses)

(**hair**-dyeing color components)

IT 90-15-3, 1-Naphthalenol 95-88-5, 4-Chlororesorcinol 108-45-2,

1,3-Benzenediamine, uses 108-46-3, 1,3-Benzenediol, uses 137-19-9,

4,6-Dichlororesorcinol 533-31-3, 4-Hydroxy-1,2-methylenedioxybenzene

591-27-5, m-Aminophenol 608-25-3, 2-Methylresorcinol 2380-94-1,

4-Hydroxyindole 2835-95-2, 5-Amino-2-methylphenol 53222-92-7,

3-Amino-2-methylphenol 70643-19-5, 2-(2,4-Diaminophenoxy)ethanol

81329-90-0, 4-(2-Hydroxyethylamino)-1,2-methylenedioxybenzene

83763-47-7, 2-Amino-4-(2-hydroxyethylamino)anisole 85679-78-3

86817-42-7, 2-(4-Amino-2-hydroxyphenoxy)ethanol 110102-86-8, 3-Amino-4-

chloro-6-methylphenol 122455-85-0 139443-57-5 141614-04-2

RL: TEM (Technical or engineered material use); USES (Uses)

(**hair**-dyeing couplers)

IT 95-70-5, 2,5-Diaminotoluene 106-50-3, 1,4-Benzenediamine, uses

123-30-8 1004-74-6, Tetraaminopyrimidine 2835-99-6,

4-Amino-3-methylphenol 45514-38-3, 4,5-Diamino-1-methylpyrazole

79352-72-0 93841-24-8 130582-61-5 131311-66-5 155601-16-4,

4,5-Diamino-1-isopropylpyrazole 168202-62-8 174024-69-2, 4,5-

Diamino-1-(methylbenzyl)**pyrazole**

RL: TEM (Technical or engineered material use); USES (Uses)

(**hair**-dyeing developers)

IT 446-18-4P 34648-99-2P 173552-27-7P, 2-Chloroethyl N-(4-**fluoro**

-2-methyl-5-nitrophenyl)carbamate 173552-28-8P,

2-(2-Hydroxyethylamino)-

5-methoxy-4-nitrotoluene 173552-29-9P,

5-Ethoxy-2-(2-hydroxyethylamino)-

4-nitrotoluene 173552-30-2P, 2-Chloroethyl N-(4-**chloro**

-2-methyl-5-nitrophenyl)carbamate 175421-07-5P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation)

(intermediate; prepn. and use of **hair**-dyeing couplers)

IT 173552-24-4P, 4-Amino-2-(2-hydroxyethylamino)-5-methoxytoluene

173552-25-5P, 4-Amino-5-ethoxy-2-(2-hydroxyethylamino)toluene

173552-26-6P, 4-Amino-5-**chloro**-2-(2-hydroxyethylamino)toluene

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(prepn. and use of **hair**-dyeing couplers)

IT 95-69-2, 2-Amino-5-chlorotoluene 452-71-1, 4-**Fluoro**

-2-methylaniline 627-11-2, 2-Chloroethyl chloroformate

RL: RCT (Reactant)

(starting material; prepn. and use of **hair**-dyeing couplers)